

FORM PTO-1449

ATTY. DOCKET NO.
270/219SERIAL NO.
10/046,071STATE OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENTAPPLICANT:
O'CONNOR, Stephen D. et al.FILING DATE:
January 11, 2002GROUP:
1723

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	A1	6,537,506 B1	3/25/2003	Schwalbe et al.	422	130	2/3/2000
	A2	2002/0192701 A1	12/19/2002	Adey	435	6	8/2/2002
	A3	6,494,614 B1	12/17/2002	Bennett et al.	366	336	9/21/1999
	A4	6,482,306 B1	11/19/2002	Yager et al.	204	600	9/22/1999
	A5	6,409,832 B2	6/25/2002	Weigl et al.	117	206	3/30/2001
	A6	2002/0076350 A1	6/20/2002	Weigl et al.	422	58	9/18/2001
	A7	2002/0048535 A1	4/25/2002	Weigl et al.	422	100	9/18/2001
	A8	2001/0048900 A1	12/6/2001	Bardell et al.	422	100	5/23/2001
	A9	2001/0048637 A1	12/6/2001	Weigl et al.	366	341	5/24/2001
	A10	6,287,520 B1	9/11/2001	Parce et al.	422	100	1/21/2000
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	A13	6,186,660 B1	2/13/2001	Kopf-Sill et al.	366	340	7/26/1999
	A14	5,945,203	8/31/1999	Soane	428	209	10/14/1997
	A15	5,932,799	8/3/1999	Moles	73	53.01	7/21/1997
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	A17	5,904,824	5/18/1999	Oh	204	601	3/7/1997
	A18	5,882,571	3/16/1999	Kaltenbach et al.	264	400	3/27/1997
	A19	5,882,465	3/16/1999	McReynolds	156	285	6/18/1997
	A20	5,872,010	2/16/1999	Karger et al.	436	173	7/3/1996
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	A22	5,658,515	8/19/1997	Lee et al.	264	219	9/25/1995
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	A24	5,545,367	8/13/1996	Bae et al.	264	401	5/27/1993

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U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
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	A26	5,385,709	1/31/1995	Wise et al.	422	98	6/24/1993
	A27	5,376,252	12/27/1994	Ekström et al.	204	299 R	11/10/1992
	A28	5,230,866	7/27/1993	Sharde et al.	422	103	3/1/1991
	A29	5,222,808	6/29/1993	Sugarman et al.	366	274	4/10/1992
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EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION? YES NO
All considered TBS	B1	WO 02/10732 A1	2/7/2002	WIPO	Ausserer et al.	
	B2	WO 00/22436	4/20/2000	WIPO	McNeely et al.	
	B3	WO 00/21659	4/20/2000	WIPO	Burdon et al.	
	B4	EP 0 933 126 A1	8/4/1999	EPC	Winkler et al.	
	B5	WO 99/17093	4/8/1999	WIPO	Handique et al.	
	B6	EP 0 107 631 A2	5/2/1984	EPC	Ruzicka et al.	

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	C2	Liu, Robin H. et al., "Plastic In-Line Chaotic Micromixer for Biological Applications," <i>Micro Total Analysis Systems</i> , J.M. Ramsey and A. van den Berg (eds.), 2001 Kluwer Academic Publishers, The Netherlands, pp. 163-164
	C3	Jacoby, Mitch, <i>Chemistry Flows Like Clockwork - Flow system used to make simple devices for time-dependent studies</i> , "Chemical & Engineering News," February 24, 2003, p.5
	C4	Deahmukh, Ajay A. et al., A.P. (2000), "Continuous Micromixer with Pulsatile Micropumps," Solid-State Sensor and Actuator Workshop, Hilton Head Island, SC, USA, 4-8 June 2000, pp. 73-76
	C5	Martin, P.M. et al., <i>Laser micromachined and laminated microchannel components for chemical sensors and heat transfer applications</i> , "Micromachined Devices and Components III," SPIE - The International Society for Optical Engineering, Vol. 3224, Bellingham, Washington, USA, pp. 258-265
	C6	Tracey, M.C. et al., "Microfluidic Mixer Employing Temporally-Interleaved Liquid Slugs and Parabolic Flow," <i>Micro Total Analysis Systems</i> , J.M. Ramsey and A. van den Berg (eds.), 2001 Kluwer Academic Publishers, The Netherlands, pp. 141-142

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EXAMINER INITIALS	NON PATENT LITERATURE DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	C7 Ehrfeld, W. et al., <i>Potentials and Realization of Microreactors</i> , "DECHEMA Monographs," Vol. 132, VCH Verlagsgesellschaft, 1996, pp. 1-28.
	C8 Johnson, Timothy J. et al., <i>Rapid Microfluidic Mixing</i> , "Analytical Chemistry," Vol. 74, No. 1, January 1, 2002, pp. 45-51.
	C9 Verpoorte, Elisabeth M.J. et al., "Silicon-Based Chemical Microsensors and Microsystems," <i>Interfacial Design and Chemical Sensing</i> , American Chemical Society, 1994, Chapter 21, pp. 244-254.
	C10 Yang, Xing et al., "A MEMS Thermopneumatic Silicone Membrane Valve," (1998) <i>Sensors and Actuators A: Physical</i> , Vol. 64, pp. 101-108.
	C11 Schulte, Thomas, "The Development of Practical Microfluidic-Based Systems for Chemical and Blood Analysis," (1999) in <i>Drug Discovery Technology for the New Millennium</i> Chapter 13, pp. 127-135. Conference proceeding: IBC USA Conferences, Inc.: 4 th Annual Conference on Microfabrication and Microfluidic Technologies.
	C12 Becker, Holger et al., "Silicon as Tool Material for Polymer Hot Embossing," (1999) <i>Proceedings MEMS '99</i> Orlando, 228-231.
	C13 Jeon, Noo Li et al., "Large-Area Patterning by Vacuum-Assisted Micromolding," (1999) <i>Adv. Mater.</i> 11, No. 11:946-950.
	C14 Jackman, Rebecca J., et al., "Electrochemistry and soft lithograph: A route to 3-D microstructures", (May 1999) <i>Chemtech</i> 18-30.
	C15 Folch, A., et al., "Molding of Deep Polydimethylsiloxane Microstructures for Microfluidics and Biological Applications" (Feb 1999) <i>Journal of Biomechanical Engineering</i> 121:28-34.
	C16 Duffy, David C., et al., "Rapid Prototyping of Microfluidic Systems in Poly(dimethylsiloxane)", (Dec 1998) <i>Analytical Chemistry</i> 70:4974-4984.
	C17 Grzybowski, B. A., et al., "Generation of Micrometer-Sized Patterns for Micranalytical Applications Using a Laser Direct-Write Method and Microcontact Printing", (Nov 1998) <i>Analytical Chemistry</i> 70:4645-4652.
	C18 Gonzalez, C., et al., "Fluidic Interconnects for modular assembly of Chemical Microsystems", (Jan 1998) <i>Sensors and Actuators B</i> 49:40-45.
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	C20 Fuhr, G., et al., "Biological Application of Microstructures", (1998) <i>Topics in Current Chemistry</i> 194:83-116.
	C21 Cordova, Emilio, et al., "Noncovalent Polycationic Coatings for Capillaries in Capillary Electrophoresis of Proteins" (April 1997) <i>Analytical Chemistry</i> 69:1370-1379.
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	C23 Martynova, Larisa et al., "Fabrication of Plastic Microfluid Channels by Imprinting Methods" (1997) <i>Anal. Chem.</i> 69:4783-4789.
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	C25 Shoji, Shuchi, et al., "Microflow Devices and Systems" (Oct 1994) <i>J. Micromech. Microeng.</i> 4:157-171.
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